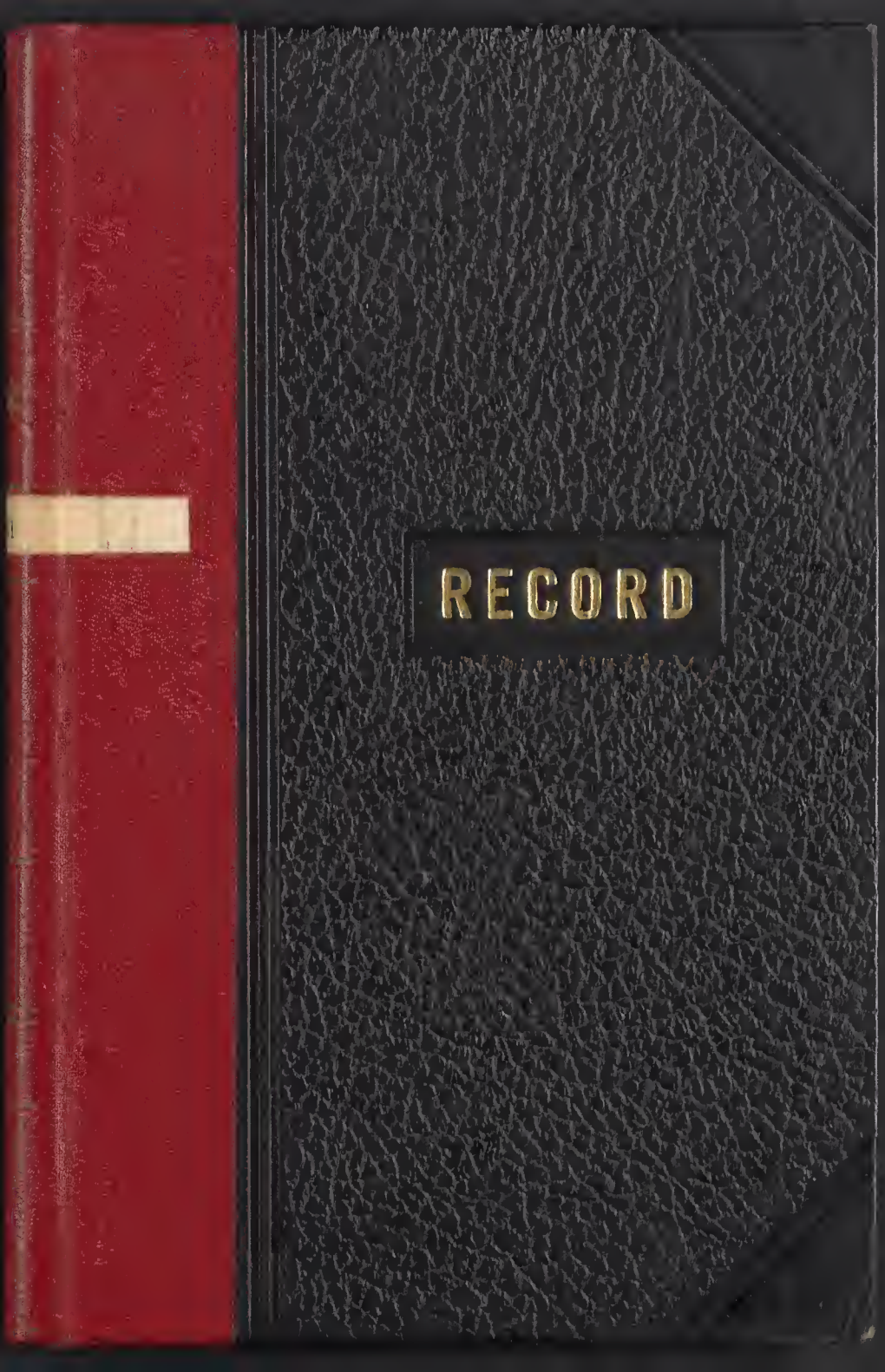
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No. 2044

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144 PAGES

U. S. A.

Streptanthus obtusifolius

(1) on rocky bluffs of Ouachita River, near Hot Springs, Garland Co., Ark. fl. april 22

(2) Hot Springs Mt., Hot Springs National Park - bud May 9

(3) conspicuous on roadside, 3½ miles west of Glenwood along highway 70. fl. may 7

need fruiting material especially

Selenia aurea

(1) 8.3 miles west of Hot Springs, Garland Co., Arkansas — Fl. April 12

(2) bluffs of White River, near Calico Rock, Izard, Ark. - Fl. fr. April 27

(3) Maysville, Benton Co., Ark. fl. fr. - May 4

(4) wet soil on granite rocks Fourche? Mountain near Little Rock fl. March (Fourche mt. or Allis mt.)

(5) abandoned cultivated field, east of Silvam Springs, Benton Co., Ark. fl. 21 April

(6) abundant on barren, rocky (sandstone) road margin, 3.2 miles N. of Warner on U.S. Highway 64, Muskogee Co., Okla. fr. May 11

Bassler 3087

(7) sandy loam near U.S. Highway 69, 2 miles north of Adair, Mayes Co., Okla. fl. April 26

7101 Lear. tomulosa
limestone clip over bedded rock, moist seep, cedar glade, 1½ miles east of Cleveland city limits, U.S. 64, Bradley County, Tennessee – April 10, '71
Flr. white - yellow center - faintly odiferous

7102 Lear. exigua
flat ground, near Seventh Pennsylvania Cavalry monument northeast edge of Chickamauga Military Reservation, state Route 2, Catoosa Co., Georgia April 10
Flr. white, yellow center, faintly odoriferous. anthers varying from introrse to extrorse, some touching stigma or edge
Honey bees seen visiting flrs.

7103 Lear. exigua var. lutea
Flr. yellow, anthers introrse
cedar glade, McCalla, Jefferson, Alabama.
April 10, 1971

7104 Cardamine hirsuta L.
Flr. white, siliques explosive
near creek, McCalla,
Jefferson Co., Alabama
April 10, '71

7104a C. pennsylvanica Muhl.
one plant out of 7104

7105 Leaves alabamica var brachystyla
petals white above, lavender below,
orange yellow center, strong
guidelines, sepals spreading
at right angles, anthers mostly
extrorse, cornfield,
3 1/2 miles west of Falkville,
Morgan Co, Ala
April 11, 71

7106 Leaves uniform
Flrs white, anthers introrse
abundant in cornfield
as 7105

Alabama

7107 Leog. dentipila
Roadside, 4.5 miles west
of Falkville, Morgan Co
April 11, '71

7108 Lesq. crassa
Fls. mostly white, occasional yellow
anther extrorse, appals spreading

2.4 miles south of Lebanon,
state route 157, Lawrance County
April 11

Collected Astragalus tennessensis,
Erodium just east of Moraga
Krigia with 7105
Lithospermum just south of
Lebanon, Lawrance Co

Lesq. alabamica 2.1 south of
Hamilton

Tennessee

7109 Lesq. denigrata
roadside and pasture,
Arrowhead Farm, near West
Fork Stones River between Sycamore
Rutherford County, Tenn
April 12, '71
and Old Jefferson

7110 Lesq. stonensis
Fls. white, near East Fork
of Stones River, just west
of Lascassas, Rutherford
Co., April 12

7111 Lesq. exigua
Fls. white, scarcely open even in
bright sun at 11:30 a.m. cedar
glade, northeast of Auburntown
on route 96, about 1/2 mile s w
of the Wilson-DeKalb county line in
Wilson County, April 12

7112 L. esq. perforata
Flrs. white, scattered plants in pasture and on road embankment, near Spring Creek, north of Lebanon, Wilson Co. April 12.

7113 L. esq. perforata
petals white above, very light lavender below, rubble from construction, about 2 miles ~~no~~ west of Lebanon, Wilson Co., April 13

7114 Erythronicum albidum Nutt. (4)
Flr. white, nodding
Woods, about 6 miles west of Nocona

7115 L. var. exigua
pop to study - 1/2 mile east of U.S. Highway ~~82~~ on road to Poole Knobs recreation area, between Sycamore and La Vergne ~~Rutherford~~ Co., April 13

8L.9

7116 Lesquerella lescurii x stonensis
vacant lot, near school,
LaVergne, Rutherford Co.,
April 13 Fls. yellow, cream
or white.

7117 ~~Lesq~~ Lesq. recurva
cedar glade extending northeast
ward from LaVergne, most of
the sample taken about
1 mile east northeast.
April 13

7118 Lesq. recurva
Fls. white, anthers redrose,
cedar glade 1.4 miles south
of Bath Springs, Decatur
Co., Tenn - April 14
Study pop.

Oxalis present from same
place.

Arkansas

7119 Cardamine bulbosa (Schreb.) BSP
Fls. white, sepals greenish, stems one to several from a bulbous base
bottom land, U.S. Highway 70, 14 miles east of Hot Springs, near Caney Creek
Saline County,
April 15, 71

7120 Selenia aurea Nutt.
Sepals spreading at right angles, yellow, petals strongly ginnicate;
buds faded fls fixed
Open roadside area near Swepco, Oak + pine, U.S. Highway 270, 3 miles southeast of Pencil Bluff,
Montgomery Co., Ark. April 15

n = 23? L. Rudenberg

Colorado

7121 Chorispora tenella
buds fixed Fls. lavender, field and roadside,
Byers, Arapahoe County, Colo
April 19, '71

with F. A. Stafleu

7122 Erysimum asperum
roadside, 12 miles north
of Pueblo, Pueblo County,
buds fixed Colo., April 20, 1971

n = 18 L. Rüdenberg

7123 Lesquerella montana (Gray) Wats.
limestone chip, roadside hill,
buds fixed 7½ miles south of the south
city limits of Pueblo, Pueblo
Co., April 20
biennial or short-lived perennial
sepals erect n = 5 det L. Rüdenberg

7124 Lesquerella calcicola Rollins
limy soft soil among pinon-
buds juniper, 14 miles south of Pueblo,
fixed Pueblo County, April 20

n = 8 L. Rüdenberg

Colorado

7125 Thlaspi fendleri Gray
Fls. white with bluish tinge,
both fixed near Cercocarpus bushes, 19
miles north of Walsenberg,
Pueblo Co., April 20

n = 7? L. Rüdenberg

N. M. Mexico

7126 Leaquerella fendleri (Gray) Wats.
Fls. bright yellow, anthers ochrone.
both fixed perennial. gravel. 11 miles
north of Albuquerque, ~~Bernalillo~~ San Doval
County,
April 20

n = 6 L. Rüdenberg

7127 Dithyrea wislizenii Engelm.
Fls. white, anthers introrse
roadside, 6 miles
west of Albuquerque, Bernalillo Co.
April 21

n = 9 L. Rüdenberg

New Mexico

7128 Lepidium montanum Nutt. subsp. alyssoides
perennial, Flr. white, roadside
½ mile north of Table Rock,
about 12 miles south of
Shiprock, San Juan Co., New
Mexico, April 22
n = 16 L. Rudenberg
under field

7129 Stanleya pinnata
Flr. lemon yellow, roadside
8 miles south of Shiprock,
San Juan Co., April 22
under field

7130 Physaria acutifolia Rydb.
Flr yellow, stamens introrse.
perennial, steep rock slide,
near San Juan River, about
13 miles northwest of Shiprock,
San Juan County
n = 5
Draba cana Rydb. Arctic-Alp. 16 typical cells
L. Rudenberg

7131 Dithyrea
Flr. mojeta, roadside as
7130
annual

New Mexico

7132 Phacelia
Fls. reddish blue, annual
as 7130

7133 ~~Caulanthus~~ Thelypodiopsis aurea (Eastw.) Rydb.
Steep slope, below bluffs of the San Juan River, 1/2 mile east of Four Corners Point, San Juan Co.,
Sepal yellow, spreading, petals yellow, unguiculate, anthers nearly included. Siliques terete, stigma very small and unexpanded, perennial
April 22

Colorado

7134 Physaria ~~acutifolia~~ Rydb. ~~Chambersii Porter~~
Roadcut, 2 miles north of San Juan River, Montezuma Co, Colorado
April 22 -

Colorado

7135 Arabis selbyi Rydb. (10)

Separa buff - towards cream, petals lavender, pungent - juniper duff; rocky hillside, 5 miles ~~south~~ West of Cortez, Montezuma Co., April 5 = 2 perennial

Ca. 2n = 21 D. Rudenberg

Indr fixed

7136 Eriogonum capitatum (Dougl.) Brewe (2)

Flr. yellow, sepals cream, whitish toward base, definitely roccate, as 7135

Indr fixed

7137 Phyparia as 7135

2n = 10 D. Rudenberg

Indr fixed

7138 Streptanthus cordatus Nutt.

Buds purple as 7135

n = 14 D. Rudenberg

Indr fixed

7139 pedicularis caespitose from a deep vertical corm, deep purple on tips; yellowish below

7140 Arabis selbyi Rydb. (4)
petals lavender, perennial
at base of sandstone cliff,
McElmo Canyon, 10 miles west
of Cortez, S. Montezuma Co.,
April 22
siliques widely arcuate

7141 Lesquerella rectipes
perennial, as 7140
fls yellow
buds fixed

n = 5+1

L. Rüdenberg

7142 Lepidium montanum Nutt. subsp. jonesii
fls white, upper cauline bvs. entire
buds fixed

n = 16 L. Rüdenberg

7143 Lepidium montanum Nutt. subsp. jonesii
dwarf only, upper cauline bvs
buds pinnately lobed, may be same
fixed as 7142 - taken nearby

n = 16 L. Rüdenberg

Colorado

7144 Sisymbrium altissimum L.
~~Caulanthus brachypetalus~~
In bud only
buds fixed as 7140
n = 7 b. Rüdenberg

7145 Streptanthella longirostris (Wats.) Rydb.
~~Streptanthus~~ ?
Annual, fls. pendant, petals yellow, calyx urn-shaped, sepal greenish-tipped, whitish below as 7140
n = 7 b. Rüdenberg

Utah

7146 ~~Caulanthus~~ Thelypodiopsis aurea (Eastw.) Rydb.
Sepals yellow, spreading, siliques divaricately ascending
buds fixed
adobe soil near ~~route 262~~ state route 46,
just inside Utah state, about 1/4 mile from Colorado line,
April 23
San Juan Co.

Utah

7147 ~~Caulanthus~~ Thelypodiopsis aurea (Eastw.) Rydb.
Fls. yellow, sepals spreading, biennial or perennial, heavy adobe soil, road-cut, state route 262, 5½ miles east of Aneth, San Juan County, April 23rd

Colorado

7148 ~~Caulanthus~~ Thelypodiopsis aurea (Eastw.) Rydb.
characters as 7147
1 mile east of Utah state line in Montezuma County, Colo.
April 23rd
n = 11 b. Rudenberg

7149 Streptanthella longirostris (Wats.) Rydb.
terminal buds purple, petals yellow, calyx not urn-shaped; sepals green-tipped, yellowish white below
as 7148
n = 14 b. Rudenberg

Colorado

7150 Arabis pulchra
petals pale lavender; fls
becoming pendant; siliques
densely pubescent

(From left)

New Mexico

7151 Lesq. fendleri
Fls bright yellow, granitic
buds gravel, 3 miles east of
fixed Milargo, Guadalupe Co., N. Mex.
April 24, '71

n = 6 L. Rüdenberg

7152 Erysimum asperum Nutt.
rocky canyon, 23 miles
buds west of Santa Rosa,
fixed Guadalupe Co.
Fls. yellow - lemon

n = 18 L. Rüdenberg

7153 Hesp. ovalifolia
Fls. lemon yellow; sepals yellowish, erect, petals flaring but not unguiculate guidlines weakly orange, pairing anthers strong - being pollinated by bee-flies and wild bees.
gravelly knoll, 4 miles west of Santa Rosa, Guadalupe Co.
April 24
n = 6 L. Ridenberg

7154 Hesp. fendleri (Gray) Wats.
Fls. lemon yellow, gravelly knoll and outwash below ~~about 15 miles east of Tucumcari~~, Quay Co., N. Mex.
April 24
near Cueva Creek, 9 miles west of San Jon
n = 7 L. Ridenberg

7155 Descurainia pinnata (Walt.) Britt. densely pubescent, roadside as 7154
subsp. halictorum (Cockerell) Detling

Texas

7156 buds fixed

Lesq. gordonii (Gray) Wats.
Fls. ? bright lemon yellow, quite similar to L. fendleri but smaller, annual or biennial ? stems decumbent
gravel along road, 1/4 miles west of Adrian, Oldham Co., Texas
April 24 n=6 det B. Rudenberg

7157 Lesq. fendleri (Gray) Wats.
with L. ~~gracilis~~ gordonii
probably would not occupy same place if it were not disturbed
as 7156

Note on Descurainia

D. sophia and D.
(no. 7155) are roadside weeds
for over 20 miles in the San Jon
area. They occur together and
in separate patches and are
extremely abundant. Seem to
occupy exactly the same niche.

7158 Lesq. ovalifolia Rydb.
petals erect (10:30 a.m.) bright sun.
chalky knoll, 16 miles west
of McLean, Gray Co., Texas.
buds fixed

April 25, '71
n = 18 W. Rüdenberg

Oklahoma

7159 Lisq. gordonii
Biennial or perennial, flr. yellow
red soil, 13 miles southwest of Clinton, Wahsita
Co., Okla.
April 25

Arkansas

7160 Erodium
Flr. pinkish, roadside 11
pickled miles west of Palestine,
St. Francis County
April 28

Tennessee

7161 Lesq. exigua
Roadside adjacent to cedar glade, 1.4 miles south of Bath Springs, Decatur Co., Tenn.
sample April 28

7162 Lesq. exigua
cedar glade, near state road no. 114, 6.5 miles north of Clinton, Decatur Co., April 28

Alabama

7163 Lesq. alabamica
roadside, 2 miles south of Hatton, Lawrence Co., sample April 29th.
reluctant cedar glade area also in fields

7164 Arenaria
fixed as 7163 fls. white

Georgia

7165 Leav. exigua
State route 2, eastern edge
of Chickamauga Military Park,
Catoosa County, April 29, '71

Tennessee

7166 Leav. exigua
Sink area, 3.3 miles south
of Shelbyville, Bedford County
State route 130
nearly opposite entrance to
Country Club
April 30

7167 Leav. exigua
Pasture, Nelson Stock Farm,
State route 64, 2 miles west of
Shelbyville, Bedford County,
April 30

sample

Tennessee

7168 Leav. exigua
glade, 1 mile north of LaVergne
sample School, Rutherford County.
April 30

7169 Leav. exigua
old glade area, off highway U.S.
sample 231, 2 miles south of Lebanon,
Wilson Co.,
April 30

7170 Leav. exigua
pasture, state route 96, ½ mile
sample southwest of DeKalb County line in
Wilson County
~~April~~ May 1 - same locality as
7111

7175 Erysimum inconspicuum (Wats.) MacM.
Open rocky pasture, Diamond Cross Ranch, Kakwaskis River Valley, south an west of Seba, Province of Alberta - ~~June~~
June 20, 1971

7176 Draba lanceolata Royle
Fls. white, as 7175

7177 Arabis hirsuta (L.) Scop.
Fls. white, as 7175

7178 Draba nemerosa L.
Fls. yellow, as 7175

7179 Descurainia richardsonii
Fls. yellow, as 7175

7180 Braya humilis (C.A. Mey.) Robins.
Fls. white, river gravel and sand bars, Wasootch Creek, about 15 miles southwest of Morley, June 20

7181 Physaria didymocarpa
as 7180 -

7182 Draba lanceolata Royle

Fls. white - ~~as 7180~~ roadside, Kananaskis Forestry Road, ca. 17 miles southwest of Morley.

7183 Arabis holboellii Hornem. var. retrofracta (Grah.) Rydb.

abundant - as 7182

Feb. 1.'75

360
32.6

1.4

Proj. 3.06
Em 1.80